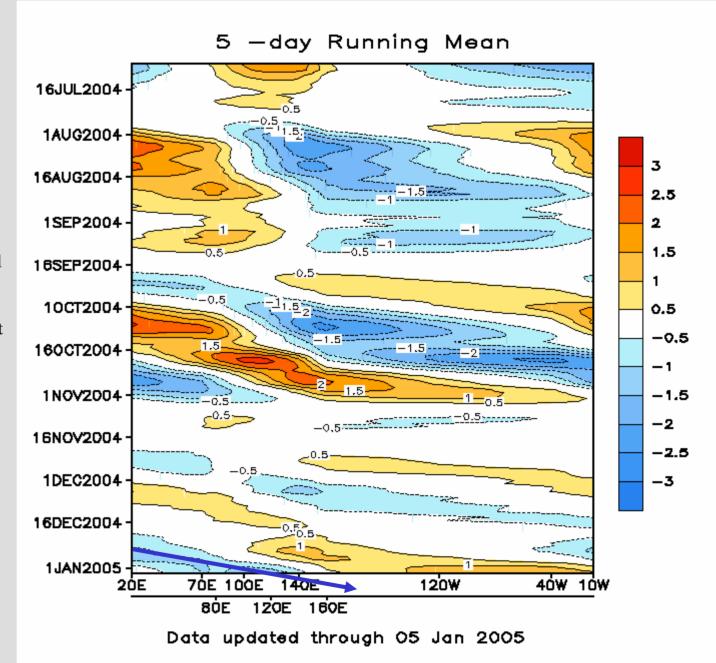
Heavy Rain Event

BC South Coast and Southern Interior

17 to 22 January 2005

During the last half of December the MJO strengthened, as enhanced convection and precipitation over the Indian Ocean shifted eastward across Indonesia.

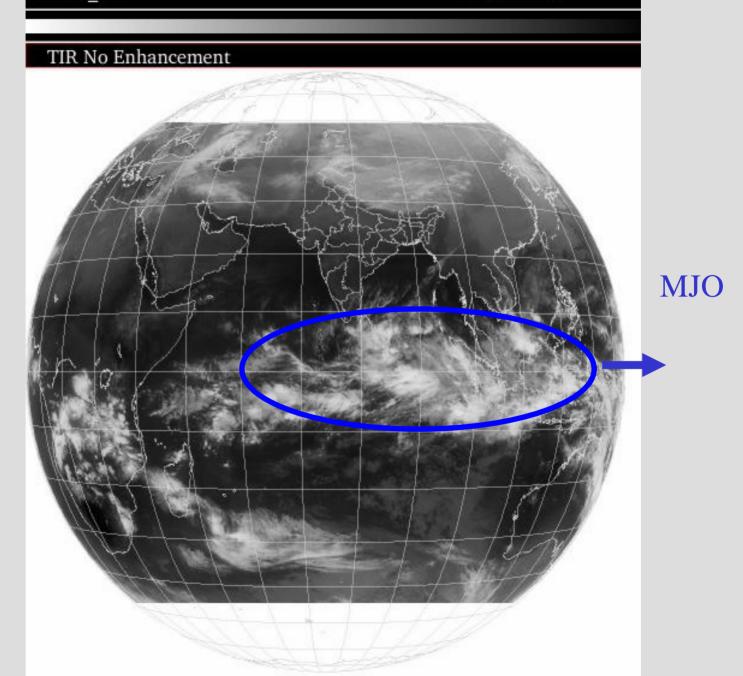
By early January 2005, enhanced convection began to extend into the western tropical Pacific. The pattern of ehhanced convection was to be closely monitored over the next several weeks as it shifted eastward over the abnormally warm waters in the central equatorial Pacific.



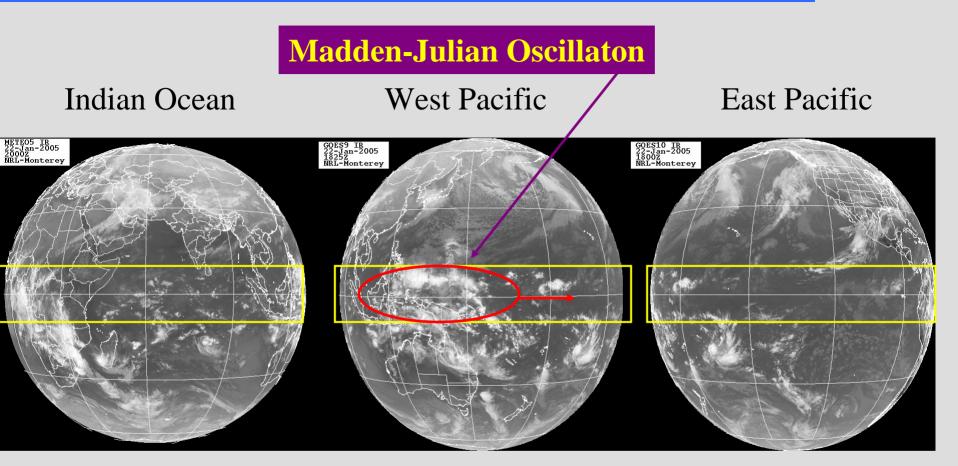
Wed 5Jan05 Proj:None GLOBE_IR

2005-01-05 17:00:53

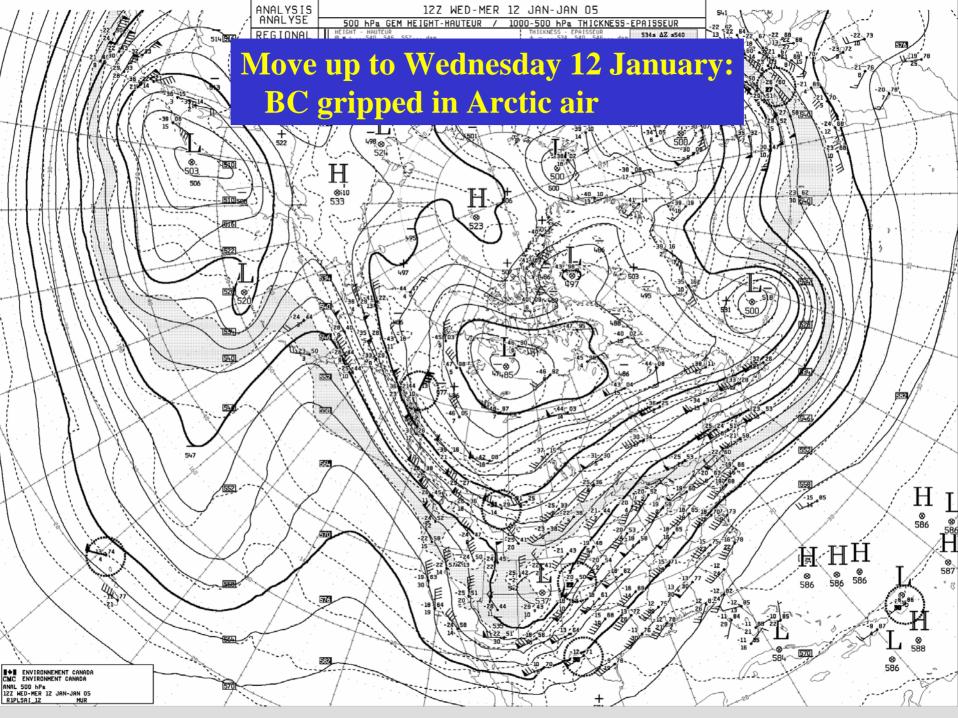
Sat:Kalpana-1 Res:8.0 km



Slide that shows explanation of Madden-Julian Oscillation



ITCZ



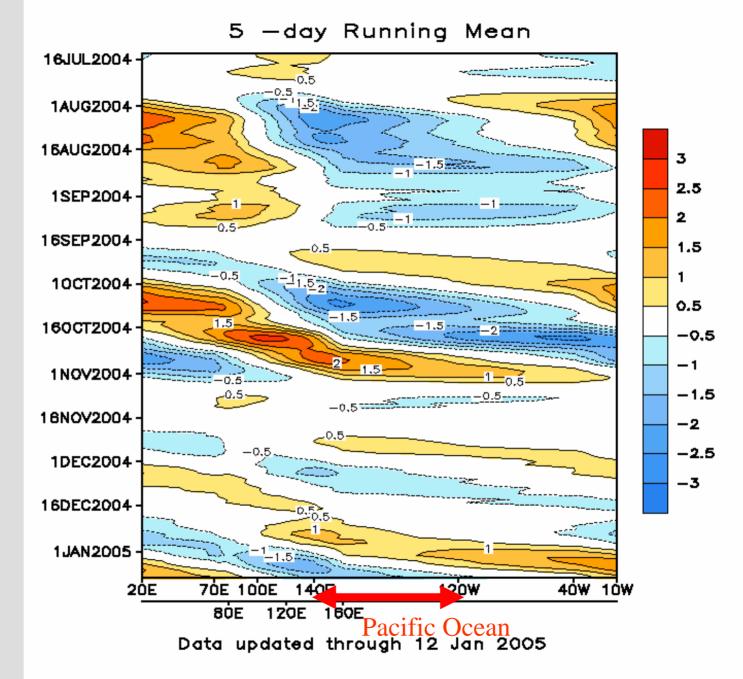
Meanwhile at the same time in California..

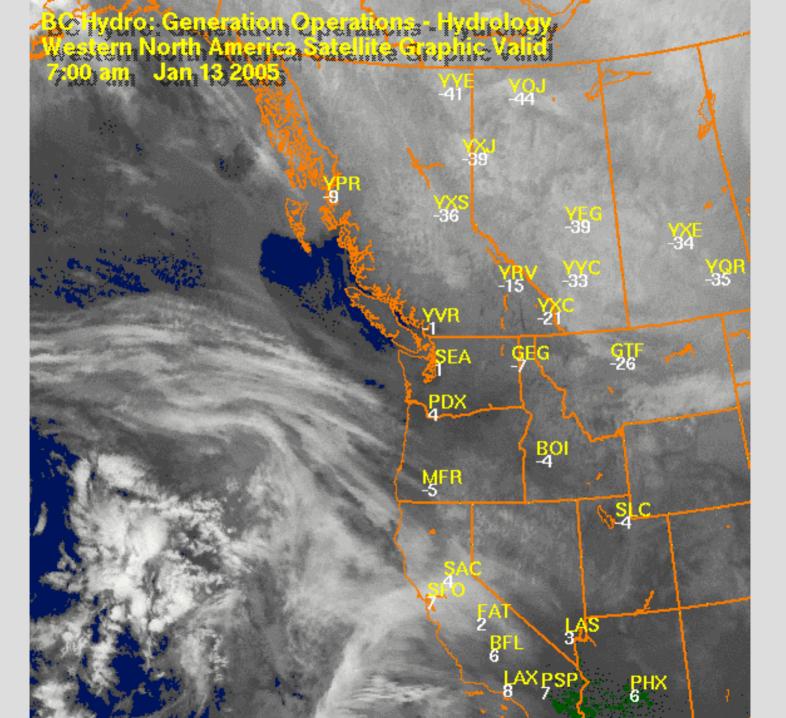
Rain lashed water-logged Southern California, hampering efforts to find survivors buried by a mud slide in a coastal community and prompting the entire town of Piru (2,000 people) to evacutate before rain-swollen Lake Piru spills over a dam. "Lake Piru is filling faster than it's releasing water," said Rod Megli, division chief for the Ventura County Fire Department. "That volume of water could affect a number of residents. We'd rather be safe than sorry."

The NWS said Tuesday that downtown Los Angeles had recorded its wettest 15 consecutive days on record, with a total of 17 inches of rain falling in the period ending Monday.

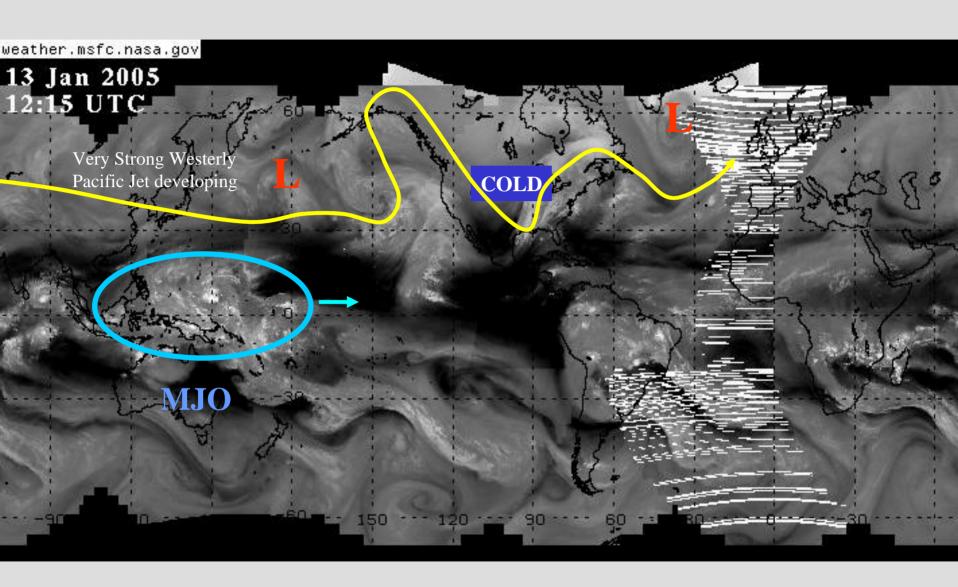


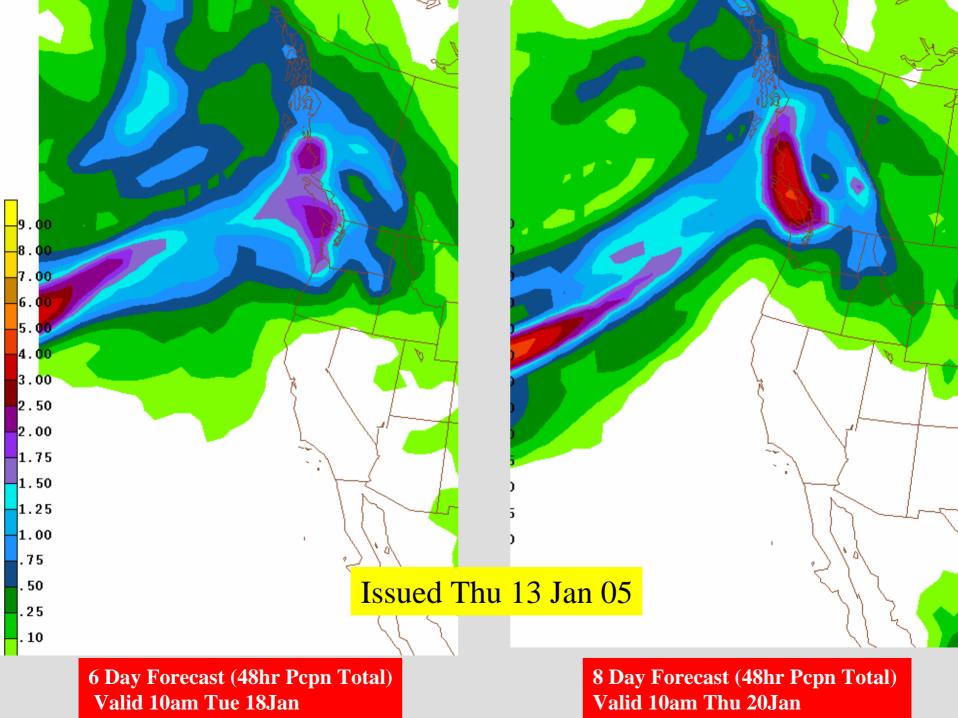
Wed 12 Jan 05

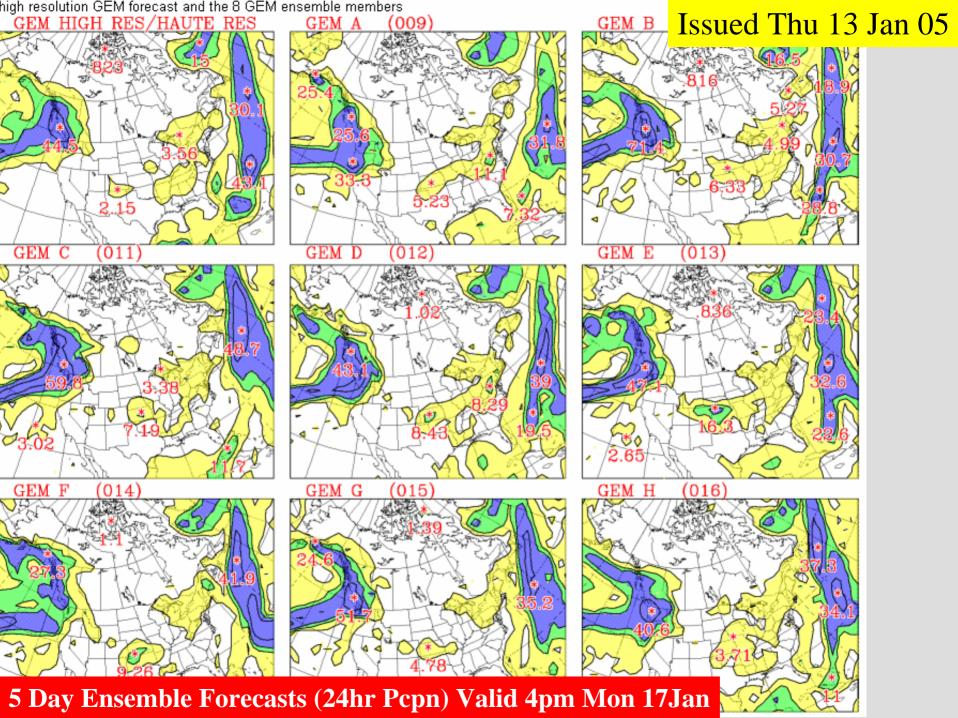


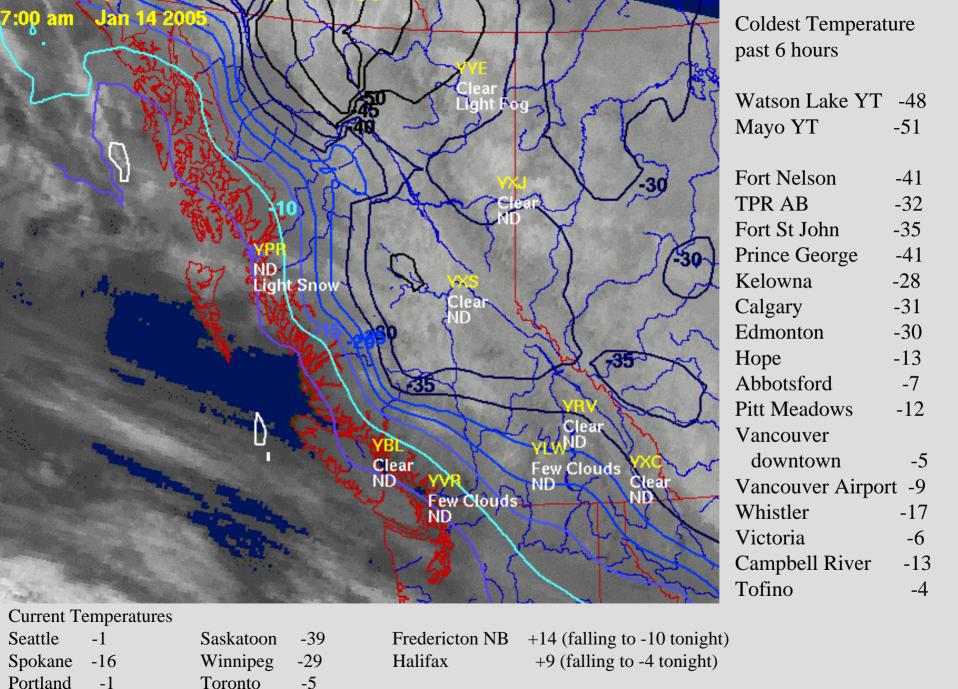


Thu 13 Jan 05

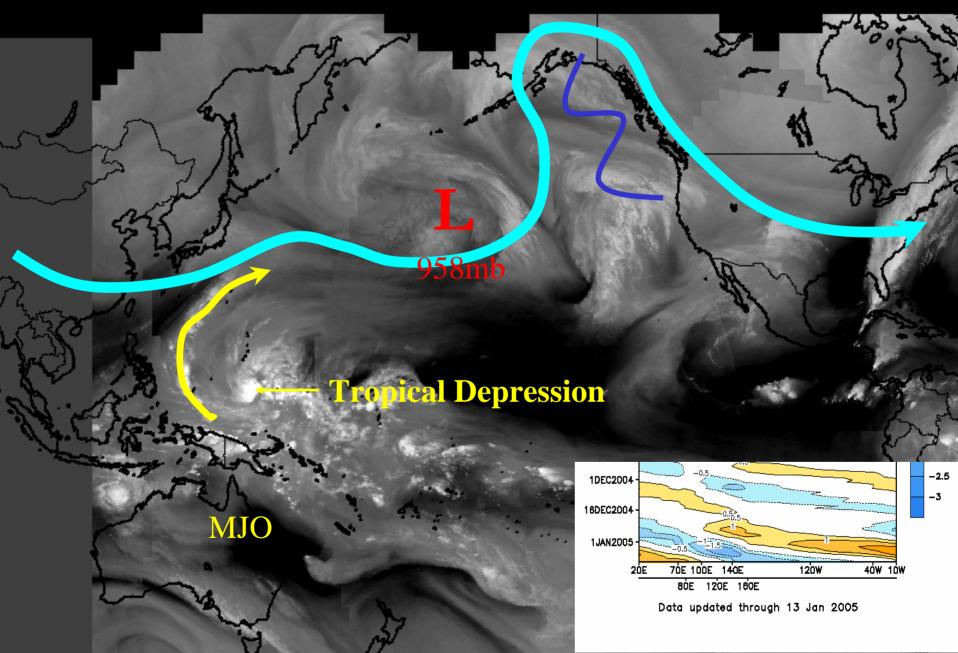


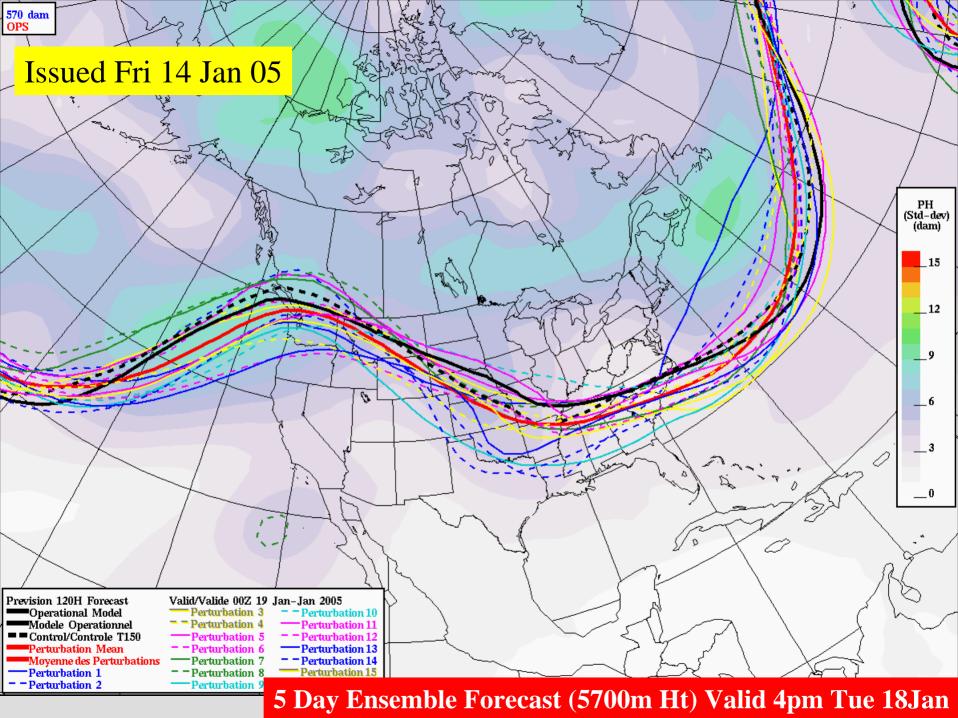


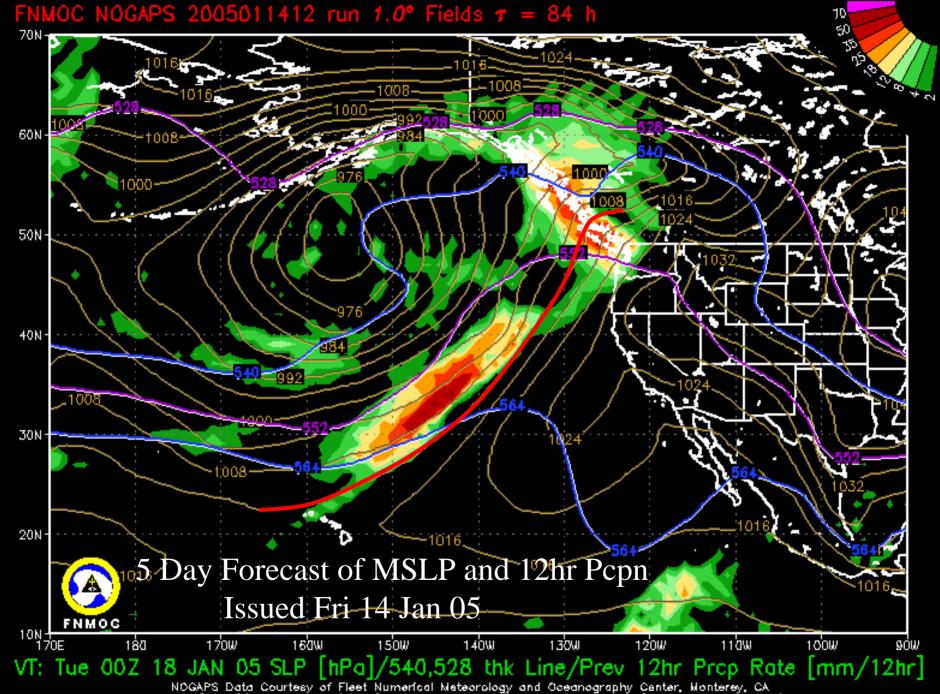




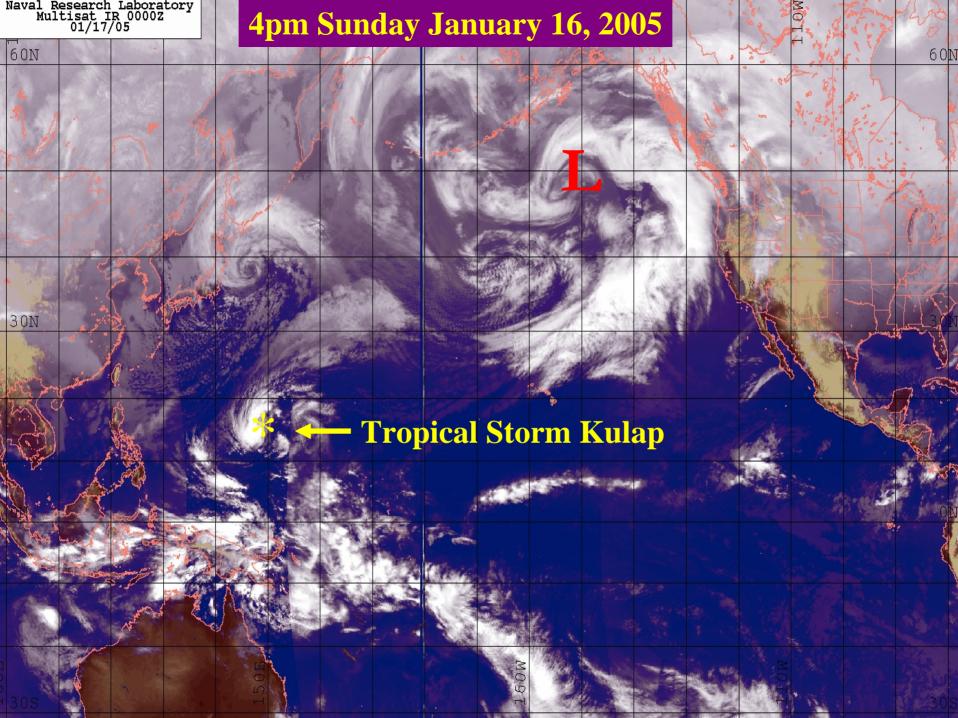
14 Jan 2005 15:45 UTC

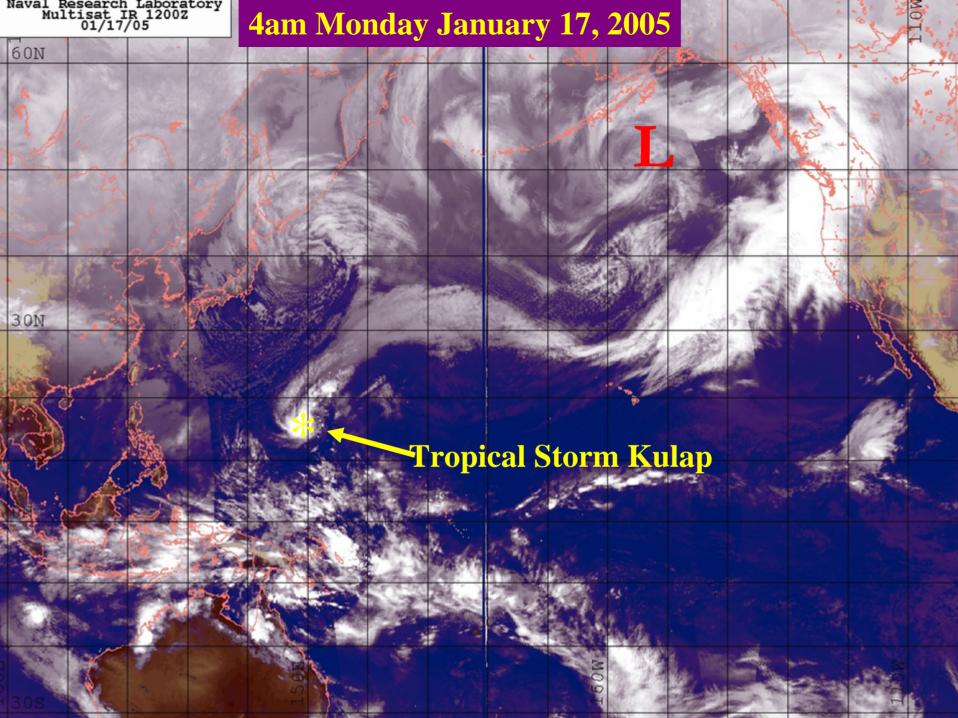


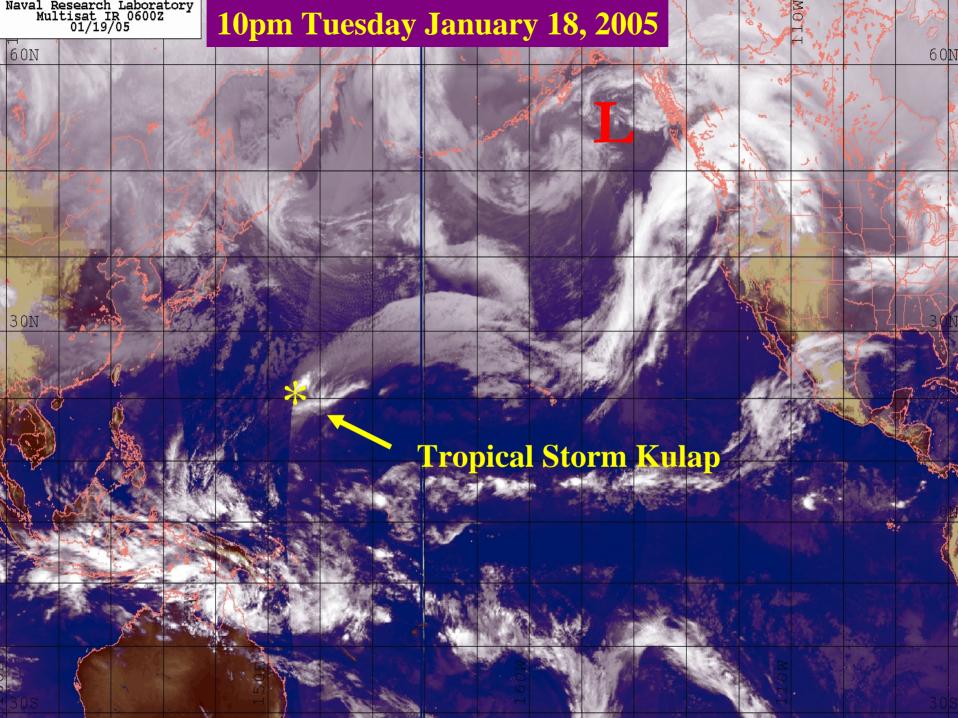


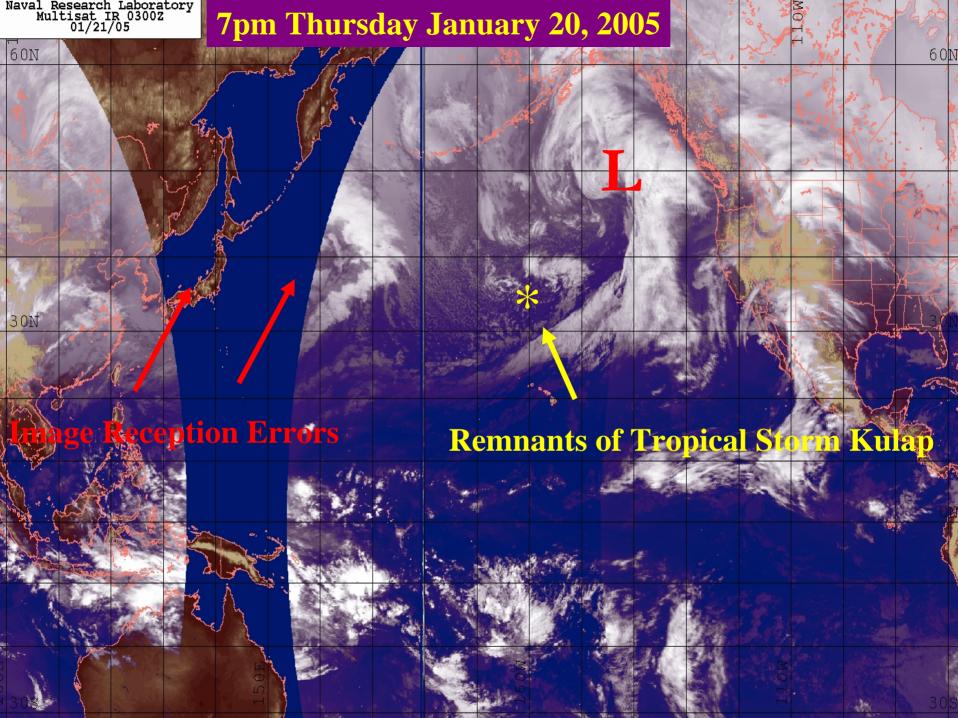


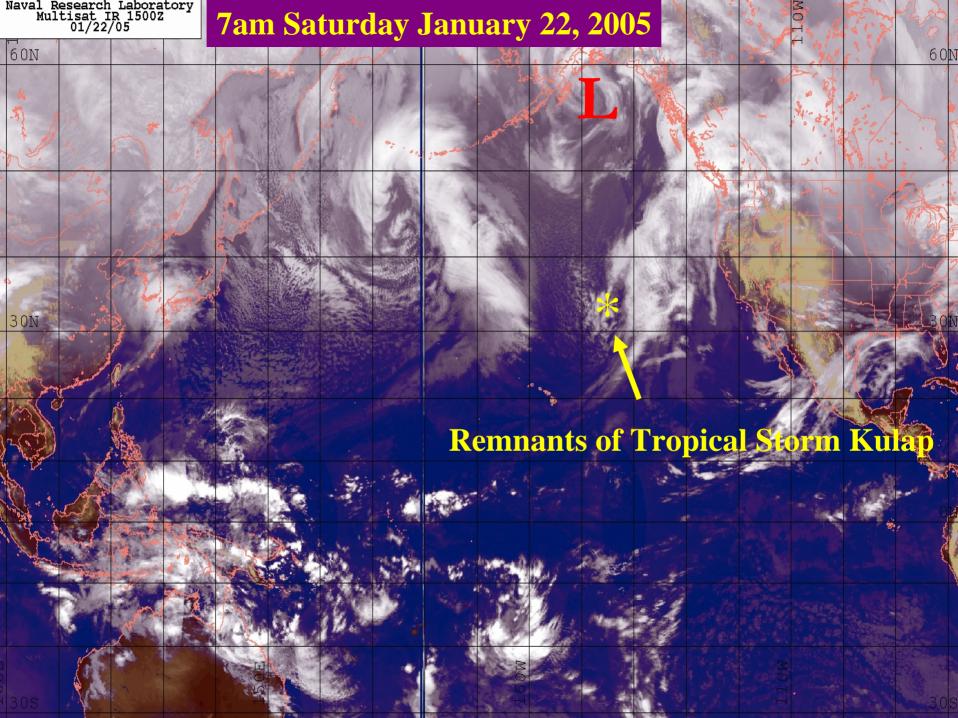
NOGAPS Data Courtesy of Fleet Numerical Meteorology and Oceanography Center, Monterey, CA GrADS (http://grads.igea.org/grads) Graphics by D.J.Laws FNMOC Code 511 (dlaws@fnmoc.navy.mil)

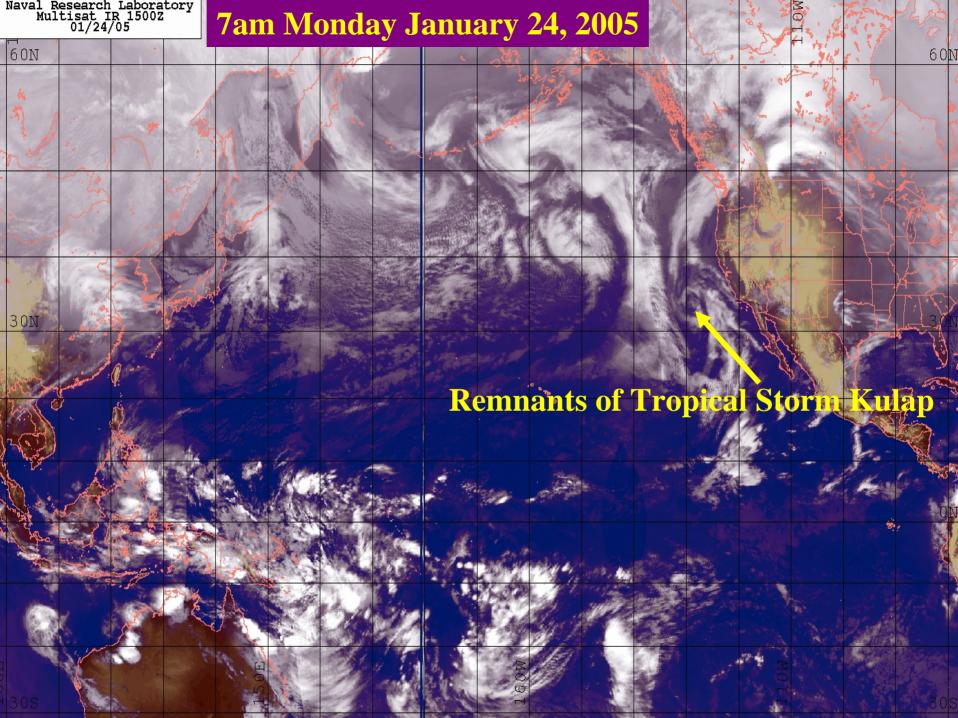


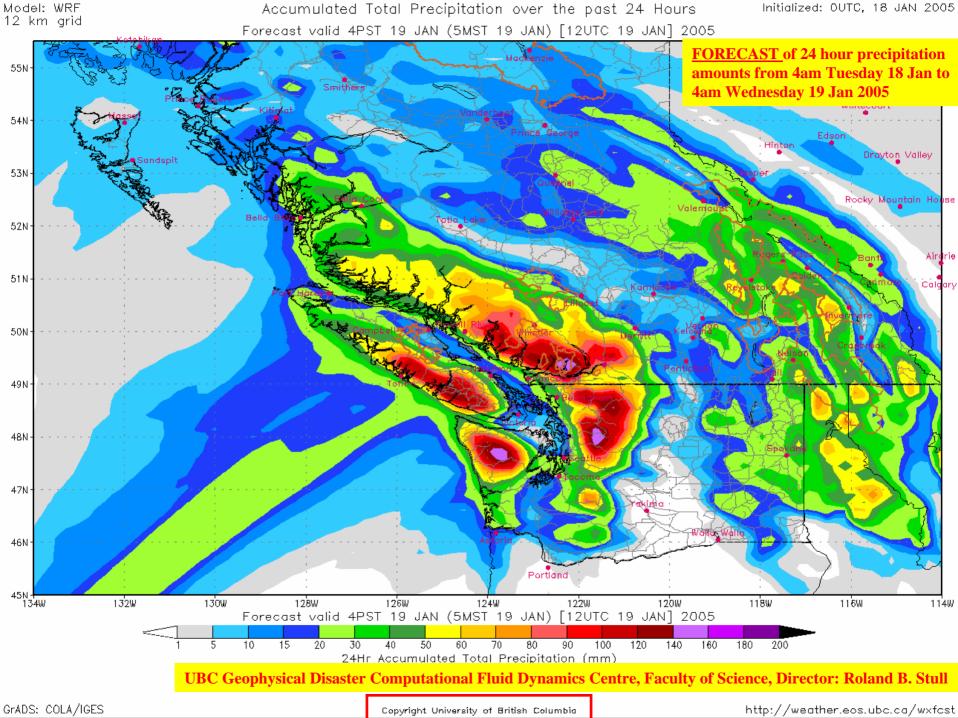


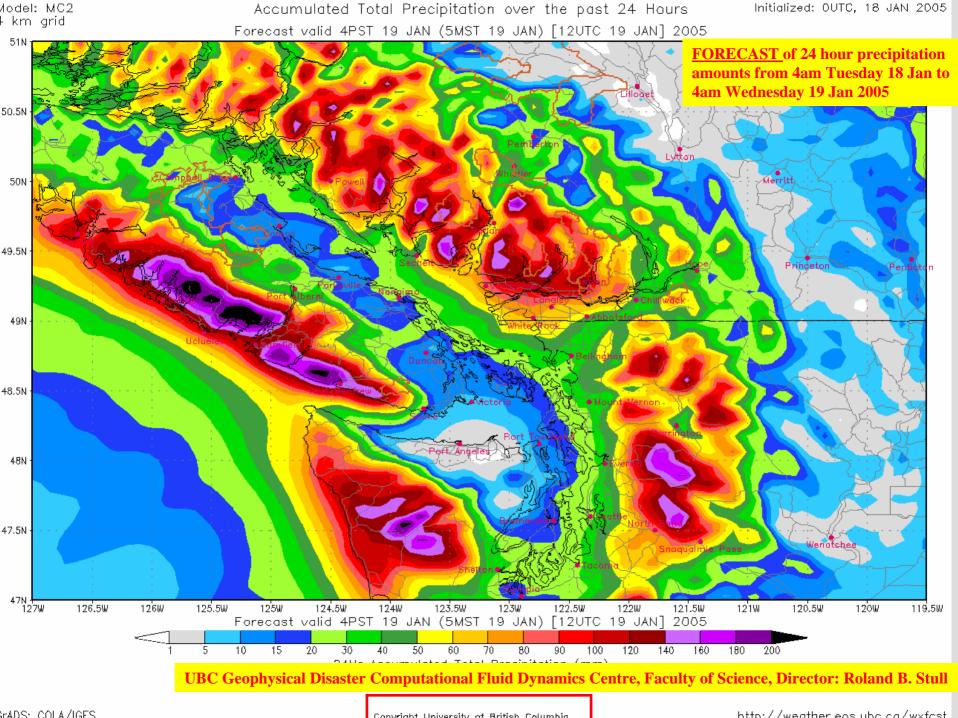




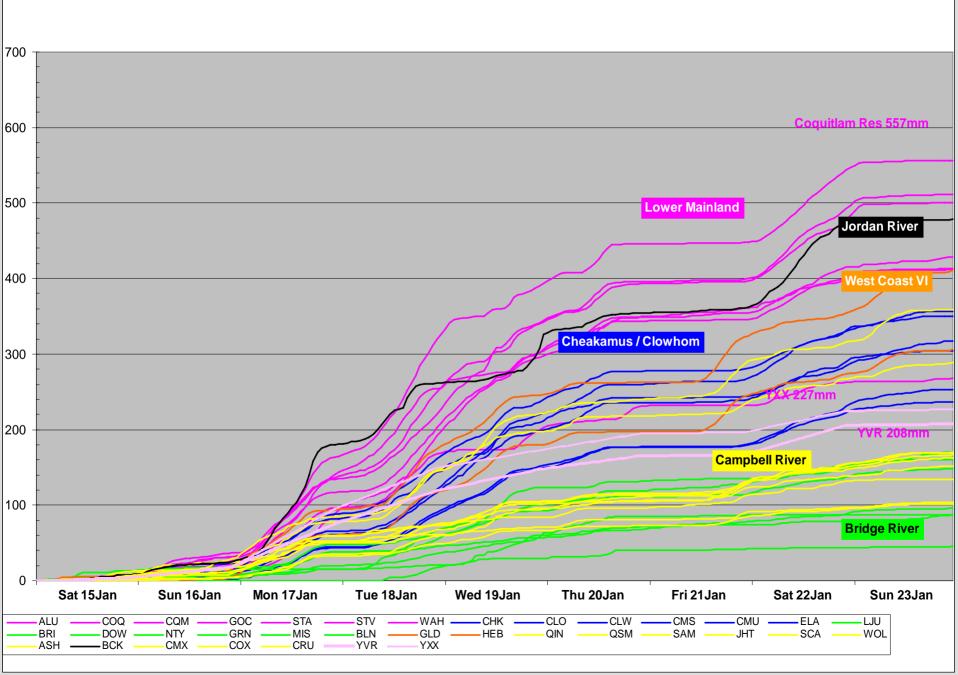




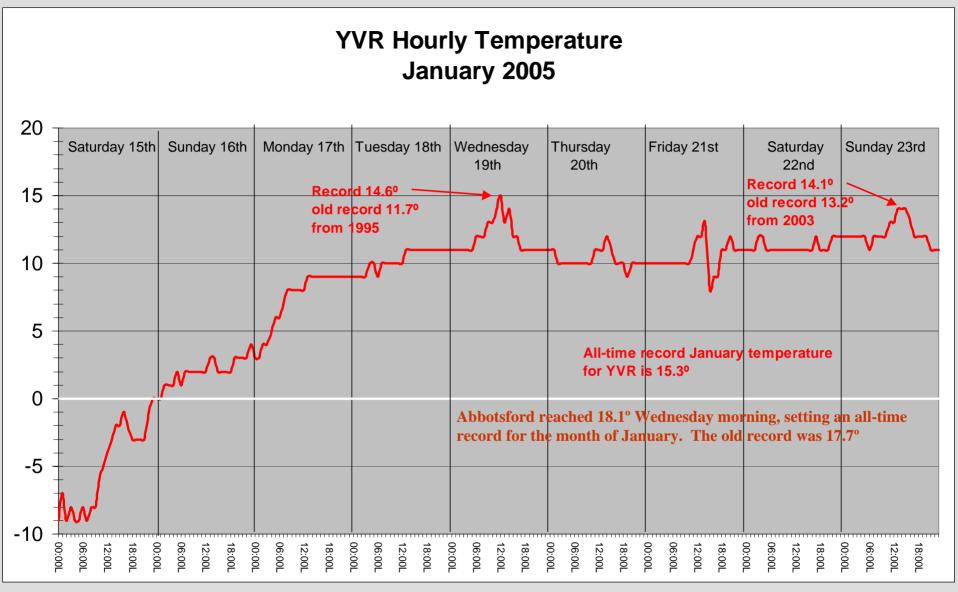




Storm Rainfall Totals Sat 15 Jan through Sun 23 Jan 2005



Let's look at temperatures during this event:



Note: Peace River, Alberta had a low/high of -39°/-30° on Thursday Jan 13 rising to -11°/+5° by Sunday Jan 23rd

Abbotsford reached 18.1° Wednesday morning, setting a record for the warming temperature recorded for the month of January.

The old record was 17.7°







Several people have been taken to hospital and two are still missing after two homes were swept up in a mudslide in North Vancouver. Two houses were destroyed after the earth gave way around 3:30 a.m. When the fire crews first arrived on scene, they did a quick search and they found some of the man's limbs sticking out of the mud. The victim was transported alive to hospital.

Witnesses say the houses were swept down the hill and out into a roadway below. The houses were on a hill road above the intersection of Tree Top Lane, Chapman Drive and Riverside Drive.

Residents in about 70 homes in the area have been evacuated as a safety precaution, while a geological survey team assessed the danger to other houses.

Heavy snow and freezing rain is causing havoc with travellers in the B.C. Interior.

The Trans-Canada Highway is closed from Sicamous to the Alberta border because of avalanches.







New York City

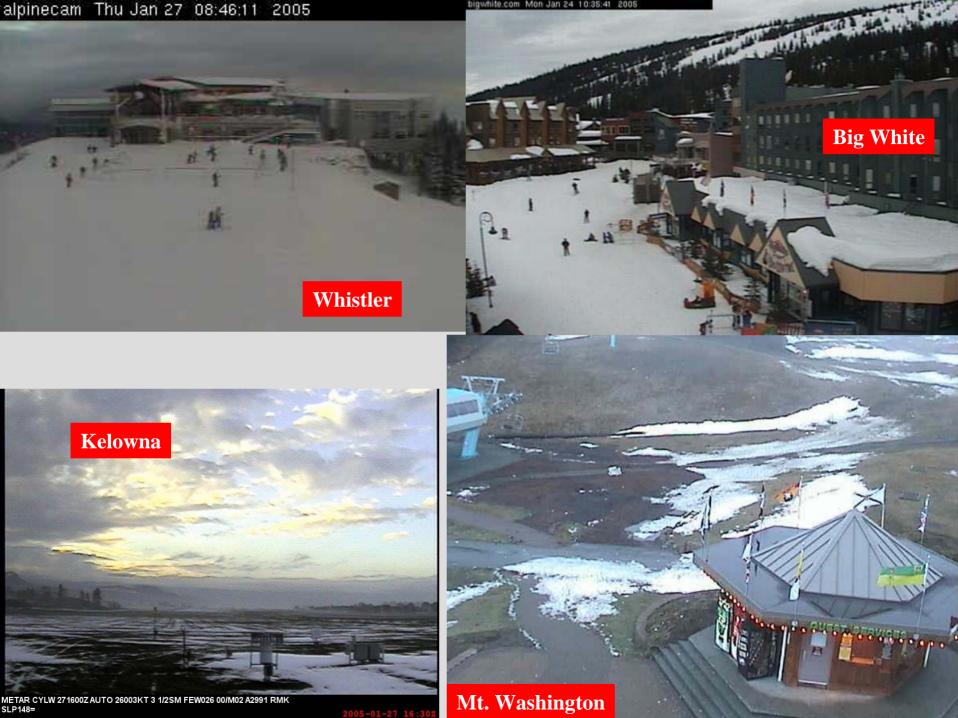
Monday Jan 24

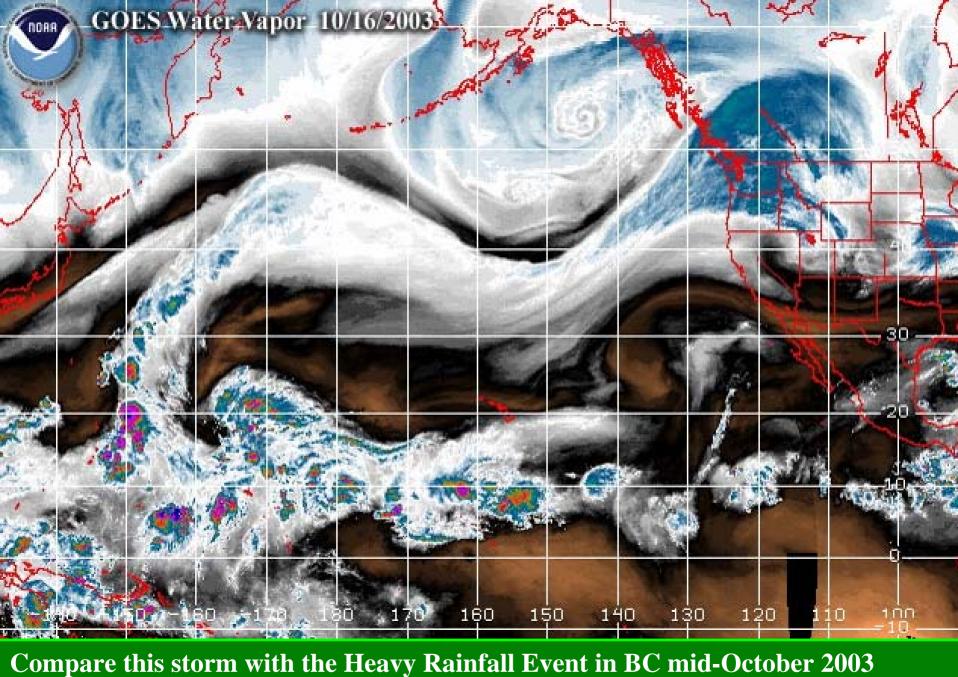




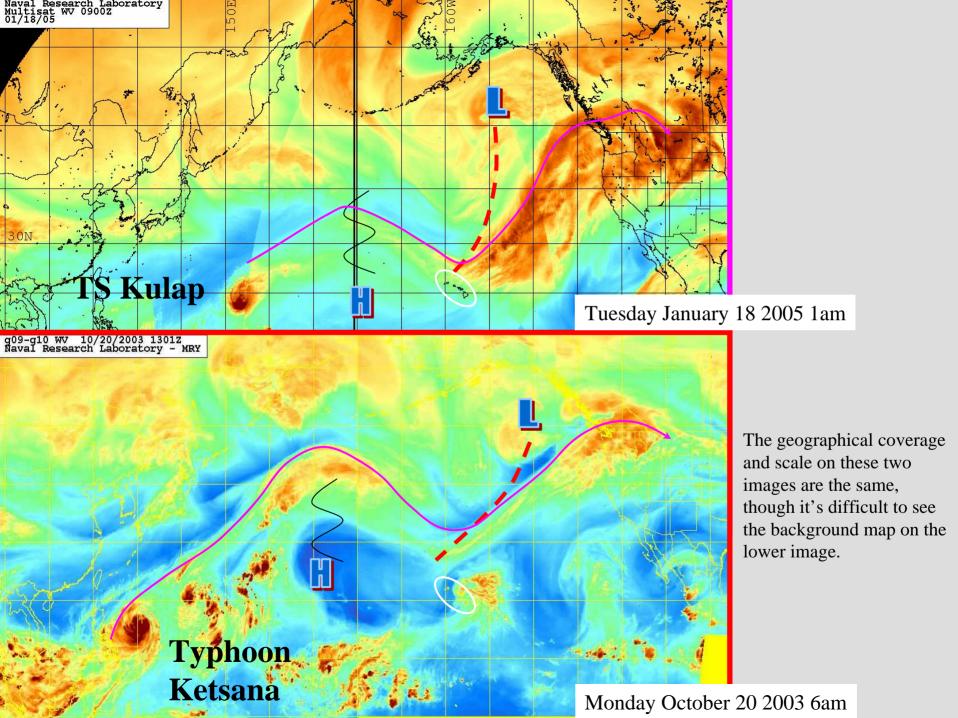


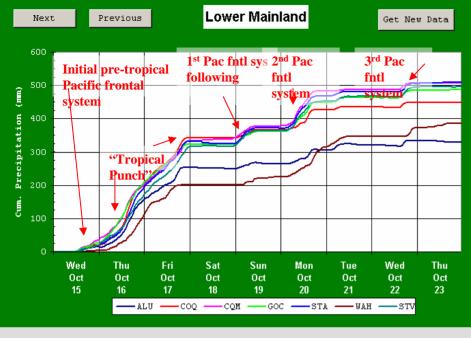


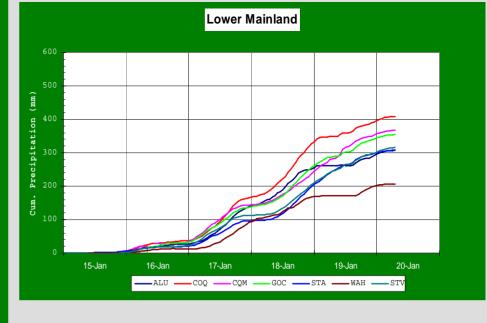




Compare this storm with the Heavy Rainfall Event in BC mid-October 2003 that John talked about last week



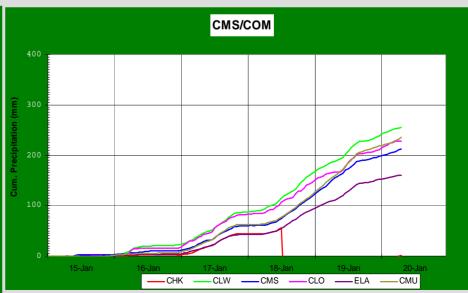


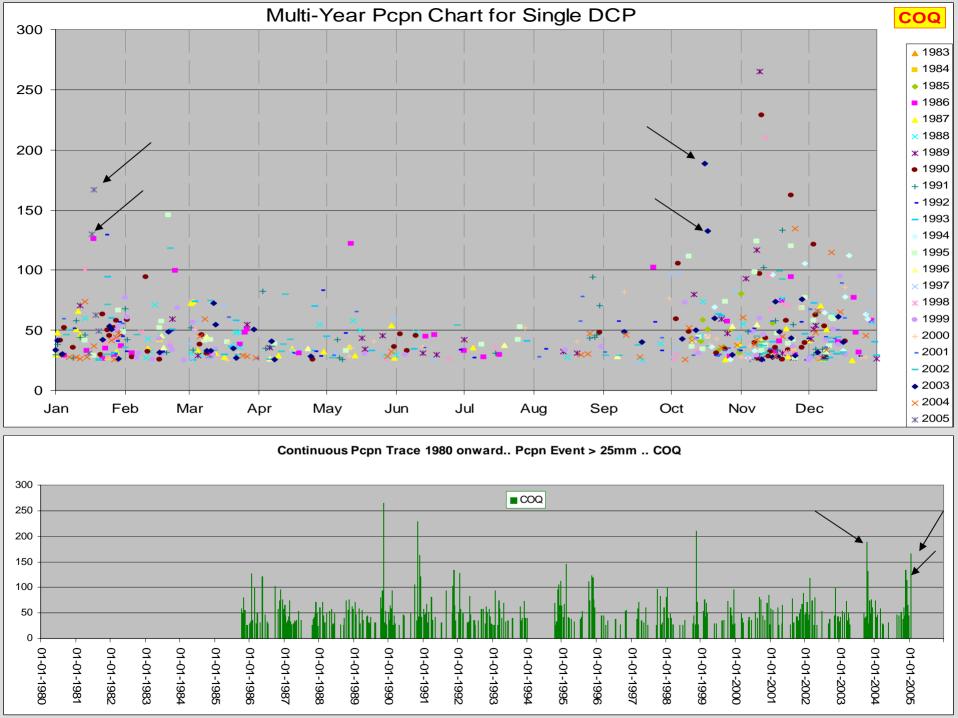


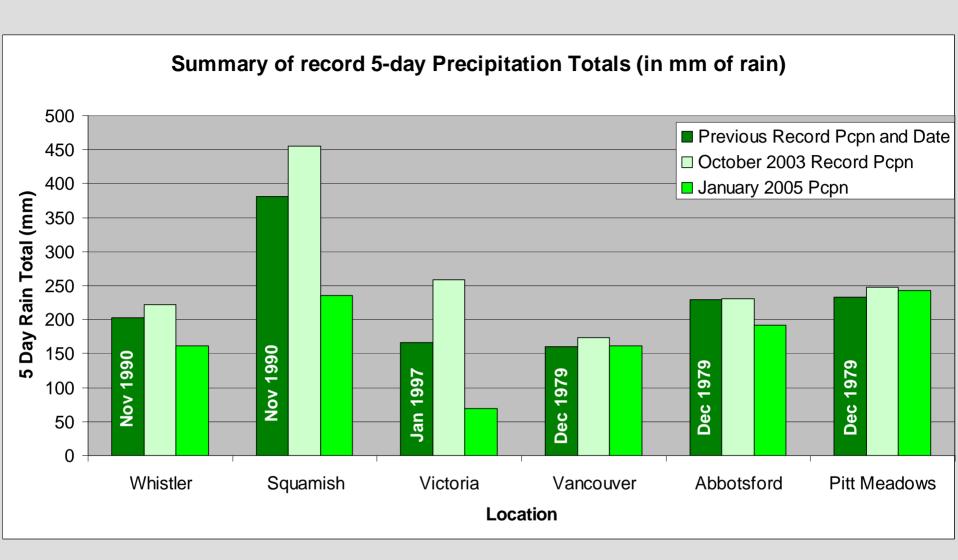
Oct 2003

Jan 2005









The End

Heavy Rain Event

17 to 22 January 2005